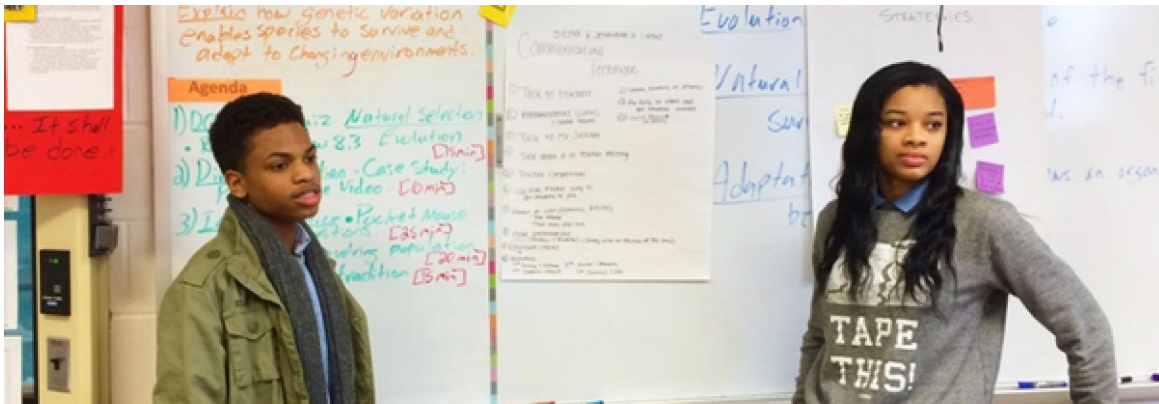


The Sprint to Savings:

Cutting consumption through competition



Jamie Donovan
Energy consultant
Department of General Services
Washington, DC

Contact and resources:
Jamie.Donovan@dc.gov

Websites:
DCGreenSchoolsChallenge.com
BuildsmartDC.com
DGS.DC.gov



Elevating the Quality of Life in the District





Venezuela's Burn Rate

Compared with neighbors, Venezuelans get gasoline cheap and use a lot.



*Regular gasoline in January †In kilograms of oil equivalent

Source: Associates for International Research (AIRINC); The World Bank (consumption)

The Wall Street Journal

Pictures: NYTimes.com, graph: WSJ.com



SCORE



6

BUILDING TYPE

High School

SIZE

282,200 SF

EUI (KBTU/SF/YR)

95 EUI

ANNUAL ENERGY COST

\$583,060

ANNUAL ELECTRICITY USE

3,799,527 kWh

ANNUAL NATURAL GAS USE

139,786 Therms

ANNUAL GHG EMISSIONS

2,385 Tons

GAS AS % OF BTUS

52%

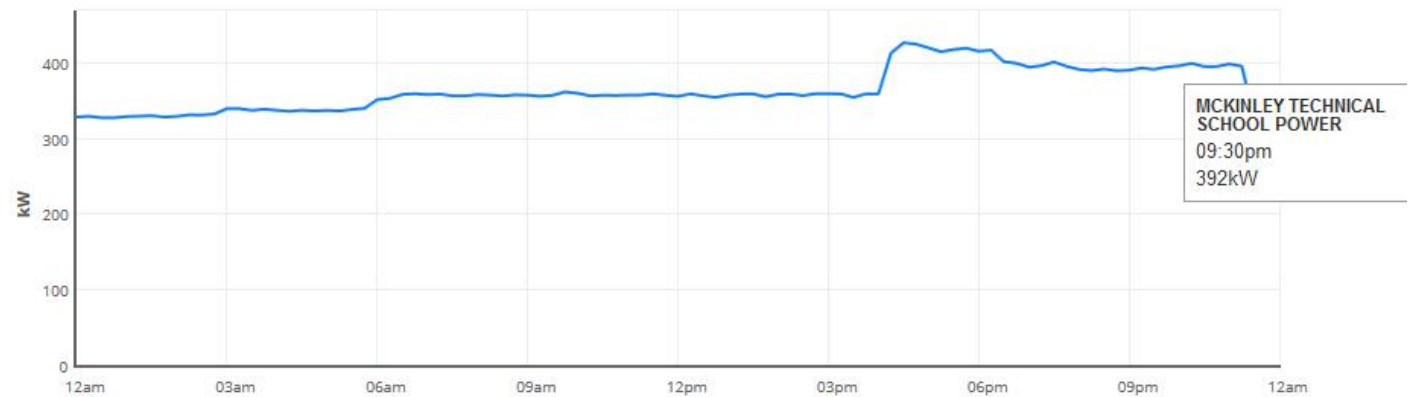
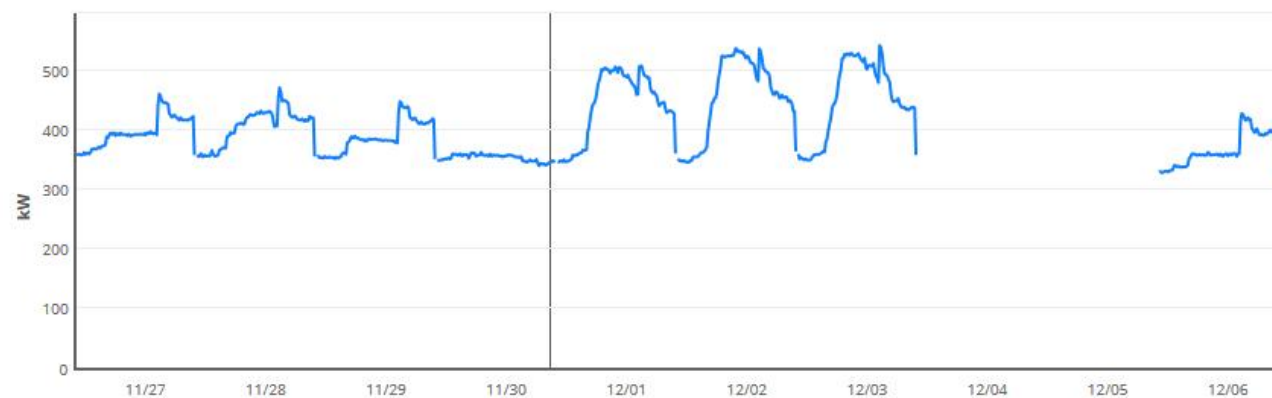
GAS AS % OF ENERGY COST

23%

ENERGY EFFICIENCY

90 - 100

A

LAST RECORDED DAY - 12/06/2014**LAST 10 DAY ELECTRICITY DEMAND**



THE SPRINT TO SAVINGS

#dcreenschools

GOVERNMENT
The District of Columbia

Find buildings

Aiton Elementary
ELEMENTARY SCHOOL

Anacostia High School
HIGH SCHOOL

Anne Beers Elementary
ELEMENTARY SCHOOL

Cardozo High School
HIGH SCHOOL

Energy Competition

Comparison

ONE CITY

Energy Competition
27.00 participants
Finished
(Feb 10 to Feb 28, 2014)

LANGLEY ELEMENTARY SCHOOL
29.9% reduction
1st

POWELL ELEMENTARY
18.1%
2nd

ANNE BEERS ELEMENTARY
12.5%
3rd

ANACOSTIA HIGH SCHOOL
11.2%
4th

Select a competitor
from the list

Leverage partnerships

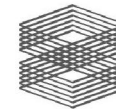


DC
SUSTAINABLE ENERGY
UTILITY



\$20,000

Volunteer mentors, 20+
organizations, including:



TISHMAN SPEYER

HKS



Lessons and next steps

Lessons

- Incentives work: cash, efficiency upgrades, recognition, pride
- Data is key
- Educational and leadership value for students

Next Steps

- Scaling up: From pilot to district-wide
 - Reconsider budget model to eliminate subsidies
 - Revenue POSITIVE = city saves money, schools have more \$\$ for books, computers, resources